

Conservation Practice Physical Effects - Sediment Basin (350)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Slight - Slight + to Significant + Negligible Moderate + to Moderate - Negligible Negligible Negligible Negligible Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - Slight + to Moderate + Slight - Slight + to Significant + Negligible Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible to Slight - Slight + Slight + to Significant + Moderate + to Significant + Negligible to Moderate + Slight + Moderate + to Significant + Negligible Negligible to Slight + Slight - to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Negligible Negligible Negligible Not Applicable Not Applicable Not Applicable Negligible to Slight - Not Applicable Not Applicable Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Not Applicable Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible Negligible to Slight + Negligible Slight + to Slight -
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Moderate + Slight + to Moderate + Slight + Slight + to Moderate + Slight + to Moderate + Slight + Not Applicable Negligible to Moderate -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Spring Development (574)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Negligible Negligible Negligible Slight - to Negligible Negligible Negligible Slight - to Negligible Negligible Slight - to Negligible
2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Negligible Negligible Negligible Negligible Negligible Negligible
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight - to Negligible Negligible Slight - to Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Slight + to Significant + Slight - to Slight + Slight + to Moderate + Negligible Negligible Slight + Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Slight + Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Slight + to Moderate + Negligible
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Negligible to Slight + Negligible to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Negligible to Slight + Negligible to Slight + Slight + to Moderate + Negligible
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible to Slight + Negligible Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Negligible to Slight + Negligible Slight + to Significant + Negligible to Slight + Negligible Slight + to Significant +
2. Management (a) Population / Resource Balance (b) Animal Health	Slight - to Slight + Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Stripcropping (Contour) (585)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Moderate + Negligible Moderate + to Significant + Slight - Negligible Not Applicable Slight + to Moderate + Moderate + to Significant + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Moderate + Slight + to Moderate + Slight + Slight +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Moderate - Slight + Moderate - Slight - Negligible Slight + to Moderate + Moderate + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Significant + Slight + Negligible Negligible Negligible Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Slight - Negligible Negligible to Slight + Slight + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible to Slight + Negligible to Moderate + Slight + to Significant + Slight + Slight + to Moderate + Slight + Slight + Slight + Slight + Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Slight + to Moderate + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Slight + Slight - to Slight + Moderate - Significant + to Moderate -
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible to Moderate + Slight + to Significant + Slight + to Significant + Negligible to Moderate + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Stripcropping (Wind) (589)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction Soil Contaminants (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Moderate - Slight + to Significant + Moderate + to Moderate - Negligible Negligible Negligible Not Applicable Not Applicable Slight + to Significant + Slight + to Moderate + Slight + to Significant + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Moderate - Slight + to Slight - Negligible to Slight - Negligible Negligible Slight + to Moderate + Negligible Negligible Negligible Slight + to Slight - Slight + to Slight - Slight + to Slight - Negligible Negligible Moderate + to Moderate - Moderate + to Moderate - Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Slight - Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible to Moderate + Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Slight + to Moderate + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible to Moderate + Negligible to Moderate + Negligible to Slight + Negligible to Significant + Negligible to Significant + Negligible to Moderate + Slight + to Moderate + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Structure for Water Control (587)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight + Slight + to Slight - Negligible Not Applicable Slight - to Moderate - Slight - to Moderate - Not Applicable Not Applicable Not Applicable Negligible Slight + to Moderate + Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Slight - to Moderate - Slight + to Significant + Slight + to Moderate + Slight + to Significant + Significant + Negligible Negligible Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible Negligible Moderate + to Significant + Moderate + to Significant + Negligible Negligible Moderate + to Significant + Negligible Negligible Negligible Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + to Significant - Not Applicable Significant + to Significant - Significant + to Significant - Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Significant + to Significant - Not Applicable Significant + to Significant - Not Applicable Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Significant + Slight + to Significant + Negligible Slight + to Significant + Slight + to Significant + Negligible Negligible to Significant + Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Subsurface Drain (606)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight + Slight + to Slight - Negligible to Slight + Slight + Slight + Negligible Slight + to Moderate + Slight + to Moderate + Negligible to Moderate - Moderate + to Significant - Slight + to Moderate + Significant + Significant + Significant + Significant + Negligible to Slight + Negligible to Slight + Negligible to Slight + Negligible to Slight +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Significant + Negligible to Moderate + Significant + Negligible Significant + Significant + Negligible to Slight + Negligible to Slight + Negligible Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Negligible Significant + Moderate - to Significant - Significant + to Moderate - Slight + Negligible Moderate - to Significant - Negligible Negligible Negligible to Moderate + Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Subsurface Drain (606), page 2

Air Resource Problem / Consideration	Effect
1. Quality	
(a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u>	Not Applicable
(b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u>	Not Applicable
(c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u>	Not Applicable
(d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u>	Not Applicable
(e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u>	Not Applicable
(f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u>	Not Applicable
(g) Airborne Sediment Particulates Causing Conveyance Problems	Not Applicable
(h) <u>Airborne Chemical Drift: Onsite</u>	Not Applicable
(i) <u>Airborne Chemical Drift: Offsite</u>	Not Applicable
(j) Airborne Odors	Not Applicable
2. Condition	
(a) Air Temperature	Not Applicable
(b) Air Movement	Not Applicable
(c) Humidity	Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Significant + to Significant -
(b) Plants are unsuitable for intended use	Not Applicable
2. Condition	
<u>Productivity (Kinds, Amounts, & Distribution)</u>	
(a) Cropland	Significant + to Significant -
(b) Hayland and Pastureland	Significant + to Significant -
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Not Applicable
(g) Other Land (Wildlife, Recreation, etc.)	Significant + to Significant -
(h) Health and Vigor	Slight +
(i) Plant Damage by Wind Erosion	
3. Management	
(a) Establishment, Growth, and Harvest	Significant + to Slight -
(b) Nutrient Management	Not Applicable
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Moderate + to Significant -
Animal Resource Problem / Consideration	Effect
1. Habitat	
<u>Domestic Animals</u>	
(a) Food	Significant + to Significant -
(b) Cover or Shelter	Significant + to Significant -
(c) Quantity and Quality of Drinking Water	Moderate + to Significant -
<u>Wildlife</u>	
(d) Food	Significant + to Significant -
(e) Cover or Shelter	Significant + to Significant -
(f) Quantity and Quality of Drinking Water	Moderate + to Significant -
2. Management	
(a) Population / Resource Balance	Significant + to Significant -
(b) Animal Health	Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Surface Drain. (Field Ditch) (607)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible Slight - Not Applicable Negligible Not Applicable Slight + Slight + to Moderate + Slight + to Significant + Negligible to Slight + Negligible to Slight + Negligible Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight + to Significant + Significant + Slight + to Significant + Slight - to Significant - Slight + to Significant + Significant + Slight - to Moderate - Slight - to Significant - Slight - to Significant - Slight + Slight + Slight + Negligible Negligible Slight - to Moderate - Slight - to Moderate - Slight - Slight - Negligible to Significant - Negligible to Moderate - Negligible Negligible to Moderate - Slight - to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Surface Drain. (Field Ditch) (607), page 2

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Slight + to Significant + Slight + to Significant +
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Slight + to Significant + Slight + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Not Applicable
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + Slight + Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Moderate + to Moderate - Moderate + to Moderate - Negligible to Slight - Moderate + to Moderate - Moderate + to Moderate - Negligible to Slight -
2. Management (a) Population / Resource Balance (b) Animal Health	Moderate + to Moderate - Negligible to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Surface Drain. (Main or Lateral) (608)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible Negligible Not Applicable Negligible Not Applicable Slight + Slight + Slight + to Significant + Negligible to Slight + Negligible to Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight + to Significant + Significant + Slight + to Significant + Slight - to Significant - Slight + to Significant + Significant + Slight - to Moderate - Slight - to Significant - Slight - to Significant - Slight + Slight + Slight + Negligible Negligible Slight - to Significant - Slight - to Significant - Slight - to Moderate - Slight - Negligible to Significant - Negligible to Moderate - Negligible Negligible to Moderate - Slight - to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Slight + to Significant + Slight + to Significant +
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Slight + to Significant + Slight + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Not Applicable
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + Slight + Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Moderate + to Moderate - Moderate + to Moderate - Negligible to Slight + Slight + to Moderate - Slight + to Moderate - Negligible to Slight +
2. Management (a) Population / Resource Balance (b) Animal Health	Moderate + to Moderate - Negligible to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Surface Roughening (609)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible to Slight +
(b) Wind	Moderate + to Significant +
(c) Concentrated Flow: Ephemeral Gully	Slight + to Slight -
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Negligible to Slight +
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Negligible to Slight +
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Moderate +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Negligible
(f) Water Management for Non- Irrigated Land	Negligible
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Slight + to Moderate +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible to Slight +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible to Slight +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible to Slight +
(h) Nutrients and Organics	Moderate + to Significant +
(i) Suspended Sediment and Turbidity	Negligible to Slight +
(j) Low Dissolved Oxygen	Negligible to Moderate +
(k) Salinity	Negligible to Slight +
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible to Slight +
(o) Aquatic Habitat Suitability	Negligible to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Negligible Negligible Negligible Negligible Negligible to Slight + Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Slight + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible to Moderate + Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Not Applicable Not Applicable

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Terrace (Gradient) (600)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Moderate + Slight + Significant + Moderate + to Significant + Slight + to Moderate + Slight + Negligible Slight + to Moderate + Not Applicable Slight + to Significant + Negligible Slight + Negligible Negligible Negligible Significant + Moderate + to Significant + Slight + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite</u> (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite</u> (i) <u>Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes</u> 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Slight + Negligible to Slight - Negligible Slight - Negligible Negligible Moderate + Slight + Slight + Slight - Slight - Negligible Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + Negligible Negligible Negligible Slight -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors	Slight + Slight + Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Negligible Moderate + to Significant +
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Negligible to Slight + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + Slight +
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight - Slight - Slight - to Moderate -
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Slight + to Moderate + Slight + Negligible to Slight + Slight + to Moderate + Slight + Negligible to Slight +
2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Terrace (Storage) (600)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Fill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Moderate + Slight + Significant + Moderate + to Significant + Slight + to Moderate + Slight + Slight - to Moderate - Slight + to Moderate + Not Applicable Negligible to Significant - Negligible Slight + to Moderate + Negligible Negligible Negligible Significant + Moderate + to Significant + Slight + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - Moderate + to Significant + Slight - to Moderate - Significant + to Moderate - Slight + to Moderate + Slight + to Moderate + Significant + Significant + Moderate + Moderate - Moderate - Slight + Negligible Negligible Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + Negligible Negligible Negligible Slight - to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

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Conservation Practice Physical Effects - Tree Planting (612)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Significant + Moderate + to Significant + Significant + Slight + to Moderate + Slight + to Moderate + Negligible Negligible to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Slight + to Significant + Negligible Slight + to Moderate + Slight + to Moderate + Moderate + to Significant + Slight + Slight + Slight + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Moderate + to Moderate - Slight + to Moderate + Moderate + to Significant + Slight + Negligible Slight + to Moderate + Slight + to Moderate + Slight + Slight + to Moderate + Moderate + to Slight - Moderate + to Slight - Slight + to Moderate + Negligible Negligible Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + Slight + to Moderate + Slight + Slight + to Moderate + Slight + Slight +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air	Resource Problem / Consideration	Effect
1. Quality	(a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Slight + Moderate + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + Slight + Negligible
2. Condition	(a) Air Temperature (b) Air Movement (c) Humidity	Slight + to Moderate + Moderate + Slight + to Moderate +
Plant	Resource Problem / Consideration	Effect
1. Suitability	(a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Moderate + to Significant + Moderate + to Significant +
2. Condition	<u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Not Applicable Moderate + to Significant + Not Applicable Not Applicable Slight +
3. Management	(a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Moderate + to Significant + Moderate + to Significant + Moderate + to Significant +
Animal	Resource Problem / Consideration	Effect
1. Habitat	<u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Significant + to Significant - Significant + to Significant - Significant + to Significant - Significant + to Significant - Significant + to Significant - Significant + to Significant -
2. Management	(a) Population / Resource Balance (b) Animal Health	Significant + to Significant - Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Trough or Tank (614)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight - Negligible to Slight - Negligible to Slight - Negligible Negligible Not Applicable Not Applicable Not Applicable Negligible Negligible to Slight - Negligible to Moderate - Not Applicable Slight - to Moderate - Not Applicable Not Applicable Negligible Negligible to Slight - Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite (i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible to Significant + Negligible Negligible Not Applicable Not Applicable Negligible Negligible Negligible Negligible Not Applicable Negligible Negligible Negligible Not Applicable Negligible Negligible Negligible Not Applicable Negligible to Significant + Negligible to Significant + Negligible Negligible Negligible Not Applicable Negligible to Significant + Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Negligible to Slight -
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Not Applicable Not Applicable
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Not Applicable Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Slight + to Significant + Not Applicable Slight + to Significant + Slight +
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Significant + Not Applicable Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Slight + to Significant + Slight - to Significant - Moderate + to Significant + Slight + to Significant + Slight - to Significant - Moderate + to Significant +
2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Significant + Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Underground Outlet (620)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Fill	Negligible
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Significant +
(d) Concentrated Flow: Classic Gully	Moderate +
(e) Streambank	Not Applicable
(f) Irrigation Induced	Slight + to Moderate +
(g) Soil Mass Movement	Slight +
(h) Roadbanks and Construction Sites	Moderate + to Significant +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Not Applicable
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Moderate +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible
(b) Excess Amounts: Runoff / Flooding	Slight + to Moderate +
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Significant +
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Negligible
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Moderate + to Significant +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Slight + to Moderate +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible to Slight +
(h) Nutrients and Organics	Negligible to Slight +
(i) Suspended Sediment and Turbidity	Slight +
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Slight + to Slight -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Negligible Not Applicable
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Negligible Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible Not Applicable Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
2. Management (a) Population / Resource Balance (b) Animal Health	Not Applicable Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waste Management System (312)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Slight - to Slight + Negligible Moderate - to Negligible Significant - to Slight + Moderate - to Slight + Negligible
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Slight - to Moderate + Negligible Slight - to Moderate + Slight - to Moderate + Negligible Moderate - to Significant + Negligible Significant - to Moderate + Negligible Slight - to Negligible Slight - to Negligible Moderate - to Moderate + Slight - to Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u>	Negligible Negligible Negligible Negligible Moderate - to Negligible Moderate - to Slight + Negligible Negligible Negligible Significant - to Slight -
2. Condition (a) <u>Air Temperature</u> (b) <u>Air Movement</u> (c) <u>Humidity</u>	Moderate - to Negligible Negligible Slight -
Plant Resource Problem / Consideration	Effect
1. Suitability (a) <u>Plants are not well adapted to site</u> (b) <u>Plants are unsuitable for intended use</u>	Slight - to Slight + Negligible
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) <u>Cropland</u> (b) <u>Hayland and Pastureland</u> (c) <u>Rangeland</u> (d) <u>Seeded Rangeland</u> (e) <u>Annual Rangeland</u> (f) <u>Forestland</u> (g) <u>Other Land (Wildlife, Recreation, etc.)</u> (h) <u>Health and Vigor</u> (i) <u>Plant Damage by Wind Erosion</u>	Slight + to Moderate + Slight + to Moderate + Negligible Negligible Not Applicable Negligible Negligible Negligible to Moderate + Negligible
3. Management (a) <u>Establishment, Growth, and Harvest</u> (b) <u>Nutrient Management</u> (c) <u>Pests (Brush, Weeds, Insects, Diseases, and Fungi)</u>	Negligible to Slight + Slight + to Significant + Slight - to Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) <u>Food</u> (b) <u>Cover or Shelter</u> (c) <u>Quantity and Quality of Drinking Water</u> <u>Wildlife</u> (d) <u>Food</u> (e) <u>Cover or Shelter</u> (f) <u>Quantity and Quality of Drinking Water</u>	Negligible to Slight + Negligible to Slight + Slight - to Negligible Negligible to Slight + Negligible to Slight + Slight - to Negligible
2. Management (a) <u>Population / Resource Balance</u> (b) <u>Animal Health</u>	Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waste Storage Pond (425)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Not Applicable
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Not Applicable
(d) Concentrated Flow: Classic Gully	Not Applicable
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Slight + to Significant +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Slight + to Significant +
(e) Excess Fertilizer	Slight + to Moderate +
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Not Applicable
(b) Damage: Offsite	Not Applicable
(c) Safety: Onsite	Not Applicable
(d) Safety: Offsite	Not Applicable
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Slight -
(b) Excess Amounts: Runoff / Flooding	Slight +
(c) Excess Amounts: Subsurface Water	Slight +
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Negligible
(f) Water Management for Non- Irrigated Land	Slight +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible to Slight -
(b) Nutrients and Organics	Significant + to Slight -
(c) Salinity	Slight + to Moderate +
(d) Heavy Metals	Slight +
(e) Pathogens	Slight + to Moderate +
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Significant +
(j) Low Dissolved Oxygen	Slight + to Significant +
(k) Salinity	Slight +
(l) Heavy Metals	Slight +
(m) Temperature	Negligible
(n) Pathogens	Moderate + to Significant +
(o) Aquatic Habitat Suitability	Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight - Not Applicable Negligible Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Not Applicable Not Applicable Slight + to Significant + Not Applicable Slight + to Moderate + Slight + to Moderate + Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible Slight + to Significant + Negligible Negligible Slight + to Significant + Negligible Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Not Applicable
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Not Applicable
(d) Concentrated Flow: Classic Gully	Not Applicable
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Not Applicable
(b) Soil Compaction	Not Applicable
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Not Applicable
(b) Damage: Offsite	Not Applicable
(c) Safety: Onsite	Not Applicable
(d) Safety: Offsite	Not Applicable
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Slight -
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Not Applicable
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Not Applicable
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Not Applicable
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Slight + to Significant +
(c) Salinity	Negligible to Slight +
(d) Heavy Metals	Negligible to Slight +
(e) Pathogens	Negligible to Slight +
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Significant +
(j) Low Dissolved Oxygen	Slight + to Significant +
(k) Salinity	Slight + to Significant +
(l) Heavy Metals	Slight + to Significant +
(m) Temperature	Not Applicable
(n) Pathogens	Slight + to Significant +
(o) Aquatic Habitat Suitability	Slight + to Significant +

6-2002

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Slight -
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Not Applicable Negligible Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Not Applicable Not Applicable
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Not Applicable Not Applicable Slight + to Moderate + Not Applicable
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Moderate + Slight + to Moderate + Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Negligible Negligible Slight + to Significant + Negligible Negligible Slight + to Significant +
2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waste Treatment Lagoon (359)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides	Not Applicable Negligible Slight + to Significant + Not Applicable Not Applicable Not Applicable
3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Not Applicable Not Applicable Not Applicable Not Applicable
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Negligible to Slight - Negligible Negligible to Slight - Negligible Negligible to Moderate + Negligible to Moderate + Negligible Negligible Negligible
2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Significant + to Slight - Negligible to Slight + Negligible to Slight + Slight + to Moderate + Negligible Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible to Slight + Negligible to Slight + Not Applicable Moderate + to Significant + Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) Airborne Chemical Drift: Onsite (i) Airborne Chemical Drift: Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Not Applicable Not Applicable Slight + to Significant + Not Applicable Not Applicable Not Applicable
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Not Applicable Not Applicable Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Not Applicable Not Applicable Slight + to Moderate + Not Applicable Slight + to Moderate + Slight + to Moderate + Not Applicable
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	 Negligible Negligible Slight + to Significant + Negligible Negligible Slight + to Significant + Negligible Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waste Utilization (633)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight + to Moderate +
(b) Wind	Slight + to Moderate +
(c) Concentrated Flow: Ephemeral Gully	Negligible to Slight +
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Slight + to Moderate +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Significant +
(b) Soil Compaction	Negligible to Slight +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Moderate +
(d) Excess Animal Wastes & Other Organics	Slight + to Significant +
(e) Excess Fertilizer	Moderate +
(f) Excess Pesticides	Negligible to Slight +
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight +
(c) Safety: Onsite	Slight +
(d) Safety: Offsite	Slight +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Slight +
(b) Excess Amounts: Runoff / Flooding	Slight +
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Negligible
(f) Water Management for Non- Irrigated Land	Slight +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Slight +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Slight +
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Slight +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Slight +
(b) Nutrients and Organics	Slight +
(c) Salinity	Slight +
(d) Heavy Metals	Slight + to Moderate +
(e) Pathogens	Slight + to Significant +
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Slight + to Moderate +
(h) Nutrients and Organics	Slight + to Significant +
(i) Suspended Sediment and Turbidity	Slight + to Significant +
(j) Low Dissolved Oxygen	Slight + to Moderate +
(k) Salinity	Slight + to Moderate +
(l) Heavy Metals	Slight + to Moderate +
(m) Temperature	Negligible
(n) Pathogens	Slight + to Significant +
(o) Aquatic Habitat Suitability	Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waste Utilization (633), page 2

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible to Significant + Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Moderate + Negligible Slight + to Significant + Slight + to Significant + Slight + to Significant + Slight + to Significant + Not Applicable Not Applicable Not Applicable Slight + to Significant + Slight + Slight + to Significant + Significant + Slight + to Slight -
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Slight + to Significant + Moderate + to Moderate - Slight + to Significant + Slight + to Slight - Moderate + to Moderate - Slight + to Significant + Slight + to Moderate + Moderate + to Moderate -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Water & Sediment Control Basin (638)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible Negligible Significant + Moderate + to Significant + Negligible Not Applicable Slight - Significant + Not Applicable Slight - to Significant - Slight - Negligible Negligible Negligible Negligible Significant + Moderate + to Significant + Slight + Moderate + to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - Moderate + Slight - Moderate + to Significant + Negligible Slight + Significant - Significant + Moderate + to Significant + Slight - to Moderate - Moderate - Slight - Negligible Negligible Slight + to Significant + Slight + to Significant + Significant + Slight + to Significant + Slight + Negligible to Significant + Negligible Negligible Slight + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u>	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Not Applicable Not Applicable
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Negligible Negligible Negligible Negligible Not Applicable Negligible Negligible Negligible Not Applicable
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Negligible Negligible Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Slight + to Moderate + Slight + Negligible to Slight + Slight + to Moderate + Slight + Negligible to Slight +
2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Waterspreading (640)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Negligible
(b) Wind	Negligible
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Slight - to Slight +
(g) Soil Mass Movement	Negligible
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight - to Slight +
(b) Soil Compaction	Slight - to Slight +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Slight -
(b) Excess Amounts: Runoff / Flooding	Slight - to Slight +
(c) Excess Amounts: Subsurface Water	Negligible
(d) Inadequate Outlets	Negligible
(e) Water Management for Irrigated Land	Slight + to Significant +
(f) Water Management for Non- Irrigated Land	Slight + to Significant +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) <u>Airborne Odors</u>	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Negligible Negligible
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Negligible Negligible Slight + to Moderate + Negligible
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Moderate + Negligible Negligible
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Negligible Negligible Negligible to Slight + Negligible Negligible Negligible to Slight +
2. Management (a) Population / Resource Balance (b) Animal Health	Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Well (642)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Significant + to Significant -
(b) Wind	Significant + to Significant -
(c) Concentrated Flow: Ephemeral Gully	Significant + to Significant -
(d) Concentrated Flow: Classic Gully	Negligible
(e) Streambank	Negligible
(f) Irrigation Induced	Negligible to Slight -
(g) Soil Mass Movement	Negligible to Slight -
(h) Roadbanks and Construction Sites	Negligible
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible to Moderate +
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Significant + to Significant -
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Negligible
(d) Safety: Offsite	Negligible
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Significant -
(b) Excess Amounts: Runoff / Flooding	Negligible
(c) Excess Amounts: Subsurface Water	Negligible to Significant -
(d) Inadequate Outlets	Negligible to Moderate -
(e) Water Management for Irrigated Land	Significant +
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible to Slight -
(b) Nutrients and Organics	Negligible to Slight -
(c) Salinity	Negligible to Slight -
(d) Heavy Metals	Negligible to Slight -
(e) Pathogens	Negligible to Slight -
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible to Significant -
(h) Nutrients and Organics	Negligible to Significant -
(i) Suspended Sediment and Turbidity	Negligible to Significant -
(j) Low Dissolved Oxygen	Negligible to Significant -
(k) Salinity	Negligible to Significant -
(l) Heavy Metals	Negligible to Significant -
(m) Temperature	Negligible
(n) Pathogens	Negligible to Significant -
(o) Aquatic Habitat Suitability	Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Well (642), page 2

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> 2. Condition (a) <u>Air Temperature</u> (b) <u>Air Movement</u> (c) <u>Humidity</u>	Slight + Moderate + to Significant + Moderate + to Significant + Negligible Slight + Slight + Slight + Slight + Slight + Significant + to Moderate - Slight + to Moderate + Slight + to Moderate + Moderate -
Plant Resource Problem / Consideration	Effect
1. Suitability (a) <u>Plants are not well adapted to site</u> (b) <u>Plants are unsuitable for intended use</u> 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) <u>Cropland</u> (b) <u>Hayland and Pastureland</u> (c) <u>Rangeland</u> (d) <u>Seeded Rangeland</u> (e) <u>Annual Rangeland</u> (f) <u>Forestland</u> (g) <u>Other Land (Wildlife, Recreation, etc.)</u> (h) <u>Health and Vigor</u> (i) <u>Plant Damage by Wind Erosion</u> 3. Management (a) <u>Establishment, Growth, and Harvest</u> (b) <u>Nutrient Management</u> (c) <u>Pests (Brush, Weeds, Insects, Diseases, and Fungi)</u>	Negligible to Significant + Not Applicable Moderate + to Significant + Moderate + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Moderate + to Significant + Moderate + to Significant + Negligible to Significant + Negligible to Significant + Negligible to Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) <u>Food</u> (b) <u>Cover or Shelter</u> (c) <u>Quantity and Quality of Drinking Water</u> <u>Wildlife</u> (d) <u>Food</u> (e) <u>Cover or Shelter</u> (f) <u>Quantity and Quality of Drinking Water</u> 2. Management (a) <u>Population / Resource Balance</u> (b) <u>Animal Health</u>	Negligible to Significant + Negligible to Significant + Negligible to Slight + Negligible to Significant + Negligible to Significant + Negligible to Slight + Negligible to Significant + Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Wildlife Upland Habitat Mgt. (645)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Negligible to Significant + Negligible to Significant + Negligible to Significant + Slight + to Significant + Negligible to Slight + Negligible to Slight + Not Applicable Moderate + to Significant + Moderate + to Significant + Negligible to Slight + Slight + to Significant + Slight + to Significant + Moderate + to Significant + Slight + to Significant + Slight + to Moderate + Slight + Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight + to Slight - Slight + to Moderate + Slight + to Moderate + Not Applicable Not Applicable Negligible to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Negligible to Moderate + Negligible to Moderate + Negligible to Slight + Negligible to Slight + Negligible to Slight + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Significant + Slight + Negligible to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + Slight + to Significant + Slight + to Significant + Negligible Slight + Slight + Slight + Slight + Slight + Negligible to Significant + Slight + to Moderate + Slight + to Significant + Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Moderate + to Significant + Negligible to Significant + Negligible to Significant + Negligible to Significant + Negligible to Significant + Negligible to Significant + Not Applicable Negligible to Significant + Negligible to Significant + Negligible to Significant + Slight + Slight + to Significant + Moderate + to Significant + Moderate + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	 Significant + Significant + Negligible to Slight + Significant + Significant + Negligible to Slight + Slight + to Significant + Moderate + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - **Wildlife Wetland Hab. Mgt. (644)**

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Slight + to Significant + Slight + to Significant + Slight + to Significant + Negligible Slight + to Significant + Slight + to Significant + Negligible Negligible Not Applicable Significant + Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Significant + Negligible to Significant + Negligible to Slight + Negligible to Significant +
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Significant + to Significant - Slight + to Moderate + Negligible to Moderate - Slight + to Moderate + Slight - to Moderate - Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Moderate + Moderate + to Significant - Moderate + to Significant - Moderate + to Significant - Slight + to Significant - Negligible to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Moderate + to Significant + Slight + to Moderate + Moderate + to Significant +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u>	Slight + Moderate + to Significant + Moderate + to Significant + Negligible Slight + Slight + Slight + Slight + Slight + Negligible to Significant +
2. Condition (a) <u>Air Temperature</u> (b) <u>Air Movement</u> (c) <u>Humidity</u>	Slight + to Moderate + Slight + to Moderate + Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) <u>Plants are not well adapted to site</u> (b) <u>Plants are unsuitable for intended use</u>	Moderate + to Significant + Moderate + to Significant +
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) <u>Cropland</u> (b) <u>Hayland and Pastureland</u> (c) <u>Rangeland</u> (d) <u>Seeded Rangeland</u> (e) <u>Annual Rangeland</u> (f) <u>Forestland</u> (g) <u>Other Land (Wildlife, Recreation, etc.)</u> (h) <u>Health and Vigor</u> (i) <u>Plant Damage by Wind Erosion</u>	Moderate - to Significant - Moderate - to Significant - Moderate - to Significant - Moderate - to Significant - Not Applicable Moderate - to Significant - Significant + to Moderate - Moderate + to Significant + Slight +
3. Management (a) <u>Establishment, Growth, and Harvest</u> (b) <u>Nutrient Management</u> (c) <u>Pests (Brush, Weeds, Insects, Diseases, and Fungi)</u>	Moderate - to Significant - Not Applicable Moderate + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) <u>Food</u> (b) <u>Cover or Shelter</u> (c) <u>Quantity and Quality of Drinking Water</u> <u>Wildlife</u> (d) <u>Food</u> (e) <u>Cover or Shelter</u> (f) <u>Quantity and Quality of Drinking Water</u>	Significant + Significant + Slight + to Significant + Significant + Significant + Slight + to Significant +
2. Management (a) <u>Population / Resource Balance</u> (b) <u>Animal Health</u>	Slight + to Significant + Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Fill	Negligible
(b) Wind	Significant +
(c) Concentrated Flow: Ephemeral Gully	Negligible
(d) Concentrated Flow: Classic Gully	Not Applicable
(e) Streambank	Not Applicable
(f) Irrigation Induced	Negligible to Slight -
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Negligible
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Significant +
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible
(d) Excess Animal Wastes & Other Organics	Negligible
(e) Excess Fertilizer	Negligible
(f) Excess Pesticides	Negligible
3. Deposition	
(a) Damage: Onsite	Slight + to Moderate +
(b) Damage: Offsite	Slight + to Moderate +
(c) Safety: Onsite	Slight + to Moderate +
(d) Safety: Offsite	Slight + to Moderate +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Significant -
(b) Excess Amounts: Runoff / Flooding	Negligible to Significant +
(c) Excess Amounts: Subsurface Water	Negligible to Significant +
(d) Inadequate Outlets	Slight +
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Significant +
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite	Slight + to Moderate +
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite	Slight + to Moderate +
(i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Slight + to Moderate +
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible

USDA-NRCS

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift</u> : Onsite (i) <u>Airborne Chemical Drift</u> : Offsite (j) Airborne Odors	Slight + Negligible Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible to Slight + Negligible Negligible Negligible to Significant +
2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use	Slight + to Significant + Moderate + to Significant +
2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Moderate + to Significant + Not Applicable Moderate + to Significant + Negligible to Slight -
3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Significant + Slight + to Significant + Slight + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water	Significant + to Significant - Significant + to Significant - Negligible Significant + to Significant - Significant + to Significant - Negligible
2. Management (a) Population / Resource Balance (b) Animal Health	Significant + to Significant - Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Woodland Direct Seeding (652)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Slight + to Significant +
(b) Wind	Slight +
(c) Concentrated Flow: Ephemeral Gully	Slight +
(d) Concentrated Flow: Classic Gully	Slight +
(e) Streambank	Slight +
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Slight + to Moderate +
(h) Roadbanks and Construction Sites	Slight + to Significant +
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Slight + to Significant +
(b) Soil Compaction	Slight + to Moderate +
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Negligible to Slight +
(d) Excess Animal Wastes & Other Organics	Negligible to Slight +
(e) Excess Fertilizer	Negligible to Slight +
(f) Excess Pesticides	Negligible to Slight +
3. Deposition	
(a) Damage: Onsite	Slight + to Significant +
(b) Damage: Offsite	Slight + to Significant +
(c) Safety: Onsite	Negligible to Slight +
(d) Safety: Offsite	Negligible to Slight +
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Negligible to Slight -
(b) Excess Amounts: Runoff / Flooding	Negligible to Slight +
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite	Slight - to Moderate -
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite	Negligible to Slight -
(i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Negligible
(b) Nutrients and Organics	Negligible
(c) Salinity	Negligible
(d) Heavy Metals	Negligible
(e) Pathogens	Negligible
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Negligible
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Negligible
(k) Salinity	Negligible
(l) Heavy Metals	Negligible
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) <u>Airborne Odors</u> 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Moderate + to Significant + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Slight + Negligible Negligible Negligible Moderate + to Moderate - Slight + to Moderate + Slight + to Moderate +
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Not Applicable Slight + to Moderate + Slight + to Moderate + Slight + to Moderate + Not Applicable Not Applicable Negligible to Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Not Applicable Not Applicable Not Applicable Slight + to Moderate + Slight + to Significant + Negligible Slight + to Moderate + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Woodland Imp. Harvesting (654)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Moderate + to Moderate - Negligible Significant + to Significant - Significant + to Moderate - Significant + to Slight - Not Applicable Slight - to Significant - Negligible to Moderate - Slight - to Significant - Significant + to Moderate - Slight - to Significant - Not Applicable Not Applicable Not Applicable Not Applicable Slight - to Moderate - Slight - to Moderate - Slight - to Moderate - Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Onsite (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance:</u> Offsite (i) <u>Restricted Capacity For Sediment Deposition:</u> Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Slight - to Moderate - Negligible to Significant - Negligible to Significant - Negligible to Moderate - Not Applicable Moderate - to Significant - Slight - to Moderate - Negligible to Slight - Negligible to Slight - Not Applicable Negligible Negligible Negligible Negligible Not Applicable Slight - to Significant - Slight - to Significant - Slight - to Significant - Negligible Negligible Slight - to Moderate - Negligible Slight - to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality <ul style="list-style-type: none"> (a) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Onsite (b) <u>Sediment and Smoke Particulates Causing Safety Problems:</u> Offsite (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Onsite (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems:</u> Offsite (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Onsite (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems:</u> Offsite (g) <u>Airborne Sediment Particulates Causing Conveyance Problems</u> (h) <u>Airborne Chemical Drift:</u> Onsite (i) <u>Airborne Chemical Drift:</u> Offsite (j) Airborne Odors 	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible Negligible
2. Condition <ul style="list-style-type: none"> (a) Air Temperature (b) Air Movement (c) Humidity 	Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability <ul style="list-style-type: none"> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 	Negligible Negligible
2. Condition <ul style="list-style-type: none"> <u>Productivity (Kinds, Amounts, & Distribution)</u> <ul style="list-style-type: none"> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Slight + to Significant + Not Applicable Slight + to Significant + Slight + to Moderate +
3. Management <ul style="list-style-type: none"> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi) 	Slight + to Significant + Negligible Slight + to Moderate +
Animal Resource Problem / Consideration	Effect
1. Habitat <ul style="list-style-type: none"> <u>Domestic Animals</u> <ul style="list-style-type: none"> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> <ul style="list-style-type: none"> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 	Slight + to Significant + Slight + to Significant + Slight + to Moderate + Slight + to Significant + Slight + to Significant + Slight + to Moderate +
2. Management <ul style="list-style-type: none"> (a) Population / Resource Balance (b) Animal Health 	Slight + to Significant + Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Woodland Improvement (666)

Soil Resource Problem / Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbanks and Construction Sites (i) Safety 2. Condition (a) Soil Tilth, Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (d) Safety: Offsite	Negligible to Slight - Not Applicable Negligible to Slight - Negligible to Slight - Negligible to Slight - Not Applicable Negligible Negligible Slight - to Moderate - Negligible Negligible to Slight - Negligible Not Applicable Not Applicable Negligible to Moderate - Negligible to Slight - Negligible to Slight - Negligible Negligible
Water Resource Problem / Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water Management for Non- Irrigated Land (g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite</u> (h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite</u> (i) <u>Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes</u> 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability	Negligible Negligible Negligible Negligible Not Applicable Slight - to Significant - Negligible Negligible Negligible Negligible to Moderate - Negligible Negligible Negligible Negligible to Moderate - Negligible Negligible to Slight - Slight - to Moderate - Negligible Negligible Negligible Negligible Negligible Negligible Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality (a) <u>Sediment and Smoke Particulates Causing Safety Problems: Onsite</u> (b) <u>Sediment and Smoke Particulates Causing Safety Problems: Offsite</u> (c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Onsite</u> (d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite</u> (e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite</u> (f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite</u> (g) Airborne Sediment Particulates Causing Conveyance Problems (h) <u>Airborne Chemical Drift: Onsite</u> (i) <u>Airborne Chemical Drift: Offsite</u> (j) Airborne Odors 2. Condition (a) Air Temperature (b) Air Movement (c) Humidity	Slight + Negligible Negligible Negligible Negligible to Slight - Negligible to Slight - Negligible to Slight + Negligible Negligible Negligible to Significant + Negligible Negligible Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use 2. Condition <u>Productivity (Kinds, Amounts, & Distribution)</u> (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation, etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion 3. Management (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight + to Significant + Moderate + to Significant + Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Moderate + to Significant + Not Applicable Moderate + to Significant + Negligible to Slight - Slight + to Significant + Slight + to Significant + Slight + to Significant +
Animal Resource Problem / Consideration	Effect
1. Habitat <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water 2. Management (a) Population / Resource Balance (b) Animal Health	Significant + to Significant - Significant + to Significant - Negligible Significant + to Significant - Significant + to Significant - Negligible Significant + to Significant - Significant + to Significant -

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Conservation Practice Physical Effects - Woodland Pruning (660)

Soil Resource Problem / Consideration	Effect
1. Erosion	
(a) Sheet and Rill	Not Applicable
(b) Wind	Not Applicable
(c) Concentrated Flow: Ephemeral Gully	Not Applicable
(d) Concentrated Flow: Classic Gully	Not Applicable
(e) Streambank	Not Applicable
(f) Irrigation Induced	Not Applicable
(g) Soil Mass Movement	Not Applicable
(h) Roadbanks and Construction Sites	Not Applicable
(i) Safety	Not Applicable
2. Condition	
(a) Soil Tilth, Crusting, Water Infiltration, Organic Material	Negligible
(b) Soil Compaction	Negligible
<u>Soil Contaminants</u>	
(c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals	Not Applicable
(d) Excess Animal Wastes & Other Organics	Not Applicable
(e) Excess Fertilizer	Not Applicable
(f) Excess Pesticides	Not Applicable
3. Deposition	
(a) Damage: Onsite	Negligible
(b) Damage: Offsite	Negligible
(c) Safety: Onsite	Not Applicable
(d) Safety: Offsite	Not Applicable
Water Resource Problem / Consideration	Effect
1. Quantity	
(a) Excess Amounts: Seeps	Not Applicable
(b) Excess Amounts: Runoff / Flooding	Not Applicable
(c) Excess Amounts: Subsurface Water	Not Applicable
(d) Inadequate Outlets	Not Applicable
(e) Water Management for Irrigated Land	Not Applicable
(f) Water Management for Non- Irrigated Land	Not Applicable
(g) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Onsite	Negligible
(h) <u>Restricted Capacity From Sediment Deposition in Small Water Conveyance</u> : Offsite	Negligible
(i) <u>Restricted Capacity For Sediment Deposition</u> : Water Bodies, Streams, Lakes	Negligible
2. Quality	
<u>Groundwater Contaminants</u>	
(a) Pesticides	Not Applicable
(b) Nutrients and Organics	Not Applicable
(c) Salinity	Not Applicable
(d) Heavy Metals	Not Applicable
(e) Pathogens	Not Applicable
<u>Surface Water Contaminants (Streams and Lakes)</u>	
(g) Pesticides	Not Applicable
(h) Nutrients and Organics	Negligible
(i) Suspended Sediment and Turbidity	Negligible
(j) Low Dissolved Oxygen	Not Applicable
(k) Salinity	Not Applicable
(l) Heavy Metals	Not Applicable
(m) Temperature	Negligible
(n) Pathogens	Negligible
(o) Aquatic Habitat Suitability	Negligible

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.

Air Resource Problem / Consideration	Effect
1. Quality	
(a) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Onsite	Negligible
(b) <u>Sediment and Smoke Particulates Causing Safety Problems</u> : Offsite	Negligible
(c) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Onsite	Negligible
(d) <u>Sediment Particulates Causing Machinery, Vehicle, or Structure Problems</u> : Offsite	Negligible
(e) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Onsite	Negligible
(f) <u>Airborne Sediment and Smoke Particulates Causing Health Problems</u> : Offsite	Negligible
(g) Airborne Sediment Particulates Causing Conveyance Problems	Negligible
(h) <u>Airborne Chemical Drift</u> : Onsite	Negligible to Significant -
(i) <u>Airborne Chemical Drift</u> : Offsite	Negligible to Significant -
(j) Airborne Odors	Negligible to Moderate -
2. Condition	
(a) Air Temperature	Negligible
(b) Air Movement	Negligible
(c) Humidity	Negligible
Plant Resource Problem / Consideration	Effect
1. Suitability	
(a) Plants are not well adapted to site	Not Applicable
(b) Plants are unsuitable for intended use	Slight + to Significant +
2. Condition	
<u>Productivity (Kinds, Amounts, & Distribution)</u>	
(a) Cropland	Not Applicable
(b) Hayland and Pastureland	Not Applicable
(c) Rangeland	Not Applicable
(d) Seeded Rangeland	Not Applicable
(e) Annual Rangeland	Not Applicable
(f) Forestland	Moderate + to Significant +
(g) Other Land (Wildlife, Recreation, etc.)	Not Applicable
(h) Health and Vigor	Slight + to Moderate +
(i) Plant Damage by Wind Erosion	Slight + to Moderate +
3. Management	
(a) Establishment, Growth, and Harvest	Slight + to Moderate +
(b) Nutrient Management	Negligible
(c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Slight +
Animal Resource Problem / Consideration	Effect
1. Habitat	
<u>Domestic Animals</u>	
(a) Food	Slight + to Moderate +
(b) Cover or Shelter	Slight +
(c) Quantity and Quality of Drinking Water	Slight + to Moderate +
<u>Wildlife</u>	
(d) Food	Slight + to Moderate +
(e) Cover or Shelter	Slight + to Significant +
(f) Quantity and Quality of Drinking Water	Slight + to Moderate +
2. Management	
(a) Population / Resource Balance	Slight + to Moderate +
(b) Animal Health	Slight + to Moderate +

Additional guidance for determining effects for a specific practice can be found in the FOTG National CPPE Reference.